biological studies 100-21-0, 1,4-Benzenedicarboxylic acid, biological studies 103-82-2, Phenylacetic acid, biological studies 117-39-5, Quercetin 120-80-9, 1,2-Benzenediol, biological studies 138-52-3, Salicine 156-38-7, 4-Hydroxyphenylacetic acid 495-69-2, Benzoylglycine 525-82-6, Flavone 592-57-4, 1,3-Cyclohexadiene 7400-08-0, 4-Hydroxycinnamic acid
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(application of microbial toxicity tests in assessing ecotoxicol. risks of contaminants in soil and sediment)

IT 56-40-6, Glycine, biological studies 56-65-5, biological studies 56-86-0, Glutamic acid, biological studies 64-19-7, Acetic acid, biological studies 9002-13-5, Urease 9016-17-5, Arylsulfatase 37341-58-5, Phytase
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(application of microbial toxicity tests in assessing ecotoxicol. risks of contaminants in soil and sediment)

IT 74-86-2, Acetylene, biological studies 7439-89-6, Iron, biological studies
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(redn.; application of microbial toxicity tests in assessing ecotoxicol. risks of contaminants in soil and sediment)

L96 ANSWER 5 OF 27 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1992:632985 HCAPLUS
DOCUMENT NUMBER: 117:232985
TITLE: Rare earth metals-containing compositions for growth stimulation and disease prevention, in plants.
INVENTOR(S): Ning, Jiagong; Li, Guangming; Liu, Sui; et al.
PATENT ASSIGNEE(S): Hunan Research Center of Rare Earth Agricultural Application, Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 16 pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| CN 1061888 | A | 19920617 | CN 1990-106134 | 19901208 |
| CN 1034273 | B | 19970319 | | |

PRIORITY APPLN. INFO.: CN 1990-106134 19901208

AB The title compns. consists of rare earth compds., trace elements, plant growth regulators, buffers, surfactants, and membrane-forming agents. A compn. for rice consisted of Ce salt 0-40, La salt 0-40, La salt-Y salt mixt. 0-40, Zn and Zn salt 5-40, boric acid 5-20, Fe salt 0-20, Mn salt 0-40, carboxylic acid 5-20, starch 0-10, surfactant 0-15, growth regulator 0-1, and 2,4-D 0-1 g. Compared to conventional Ce salts, these formulations produced 30-80% higher yield.

IT 94-75-7, 2,4-D, biological studies
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(growth promotion and disease prevention by compns. contg., in plants)

RN 94-75-7 HCAPLUS
CN Acetic acid, (2,4-dichlorophenoxy)- (7CI, 8CI, 9CI) (CA INDEX NAME)